

Serial No. 09/374,967
Group Art Unit: 1638

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-4. (Cancelled)
5. (Previously Presented) An expression cassette comprising a nucleotide sequence of claim 77, wherein said nucleotide sequence is operably linked to a promoter that drives expression in a plant.
- 6-8. (Cancelled)
9. (Original) The expression cassette of claim 5, wherein said promoter is a tissue-specific promoter.
10. (Original) The expression cassette of claim 9, wherein said promoter is a seed-preferred promoter.
11. (Cancelled)
12. (Original) The expression cassette of claim 5, wherein said promoter is a constitutive promoter.
- 13-22. (Cancelled)
23. (Previously Presented) A recombinant plant cell having stably incorporated into its genome at least one nucleotide sequence of claim 77;

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wherein said nucleotide sequence is operably linked to a promoter that drives expression in a plant.

24-31. Cancelled

32. (Previously Presented) A transformed plant having stably incorporated into its genome at least one nucleotide sequence of claim 77; wherein said sequence is operably linked to a promoter that drives expression in a plant.

33-40. Cancelled

41. (Previously Amended) The plant of claim 32, wherein said plant is a monocot.
42. (Previously Presented) The plant of claim 32, wherein said monocot is maize, wheat, rice, barley, sorghum, or rye.
43. (Previously Presented) The plant of claim 32, wherein said plant is a dicot.
44. (Previously Presented) The plant of claim 32, wherein said dicot is soybean, Brassica, sunflower, alfalfa, or safflower.

46-76. Cancelled

77. (Currently Amended) An isolated nucleotide sequence selecting from the group consisting of:
- a) ~~a nucleotide sequence encoding a maize polypeptide having GDP-mannose pyrophosphorylase activity;~~

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b) a) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO:2 and;

e) b) a nucleotide sequence set forth in SEQ ID NO:1[[: and]] .

d) ~~a nucleotide sequence having at least 90% identity to a nucleotide sequence of a), b), or c) having GDP-mannose pyrophosphorylase activity.~~

78. (Cancelled)

79. (Previously Presented) The isolated nucleotide sequence of claim 77 wherein the nucleotide sequence encodes the amino acid sequence of SEQ ID NO:2.

80. (Previously Presented) The isolated nucleotide sequence of claim 77 wherein the nucleotide sequence is set forth in SEQ ID NO:1.

81. (Cancelled)